## Index of Claims

| application/Control No. | Applicant(s)/Patent under<br>Reexamination |
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| 0/531,829               | SONG ET AL.                                |
| xaminer                 | Art Unit                                   |

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| Cla   | aim      | ⊢       | _   | _        | _  | 4        | ate | e        | _ | _      | _       | 4  | CI       | aim      | _      | _        | _        | _ | Date          | - | _        | _        | 4        |    | Cl            | Ь,       | _        | _ | -        | _   | _      | _        |          |          |   |
| Final | Original | 1/19/10 |     |          |    |          |     |          |   |        |         |    | Final    | Original |        |          |          |   |               |   |          |          |          |    | Final         | Original |          |   |          |     |        |          |          |          |   |
|       | 1        | v       |     | $\Box$   | Τ  |          |     |          | Ι | Ι      | Ι       | ]  |          | 51       |        |          |          |   |               |   |          |          |          |    |               | 101      |          |   |          |     |        |          |          |          |   |
|       | 2        | v       |     |          | Ι  |          | _   | 匚        | Т | I      | I       | ]  |          | 52       |        |          |          |   |               |   | $\Box$   |          |          |    |               | 102      |          |   |          |     |        |          |          |          |   |
|       | 3        | v       |     | ┸        | 1  |          | _   | ட        | 丄 | Т      | ┸       | J  |          | 53       | _      | ┖        | Ш        | Ш |               |   |          |          |          |    |               | 103      | ш        |   | Ш        |     |        | _        |          | L        |   |
|       | 4        | v       |     | ┸        | 1  | _        |     | ┖        | ┸ | 1      | $\perp$ | 1  |          | 54       | _      | _        | ㄴ        | ш |               |   | _        |          | _        |    | <u> </u>      | 104      | Ш        |   | Ш        |     |        |          |          |          |   |
|       | 5        | v       |     | ╙        | 1  | _        |     | ╙        | ┸ | 4      | $\perp$ | 1  |          | 55       |        |          | ш        |   |               |   | _        | _        | _        |    |               | 105      | Ш        |   | Ш        |     |        |          |          | $\perp$  |   |
|       | 6        | v       |     | ╄        | 4  | _        |     | ╙        | ┺ | 4      | $\perp$ | 4  | $\vdash$ | 56       |        |          | ш        | ш |               |   | _        |          | _        |    | _             | 106      | Ш        |   | Ш        |     |        |          |          | _        |   |
|       | 7        | v       |     | ╀        | +  | 4        |     | ┡        | + | +      | +       | 4  | -        | 57       |        | _        | _        | ш |               |   | _        | _        | 4        |    | _             | 107      | Ш        | ш | Н        | Щ   | _      |          |          | _        | _ |
|       | 8        | v       | _   | ╀        | +  | 4        |     | ⊢        | ╀ | +      | +       | 4  | _        | 58       |        |          |          | ш |               |   | _        | _        | 4        |    | _             | 108      | ш        |   | Н        |     | _      |          |          | _        |   |
|       | 9        | ٧       | _   | ╀        | +  | 4        |     | ⊢        | ╀ | +      | +       | 4  | -        | 59       | _      |          | _        | Н |               |   | _        | _        | 4        |    | ⊢             | 109      | Н        | Н | Н        | ш   | _      |          |          | _        | _ |
|       | 10       | ٧       | _   | ╀        | +  | 4        |     | ⊢        | ╀ | +      | +       | 4  | $\vdash$ | 60       | _      | _        | Н        | Н | _             | Н | $\dashv$ | _        | -        |    | ⊢–            | 110      | Н        | Н | Н        | Н   | _      | _        | _        | ⊢        | _ |
|       | 11       |         | H   | +        | +  | -        |     | ⊢        | + | +      | +       | 4  | $\vdash$ | 61       | _      | -        | $\vdash$ | Н | $\vdash$      | Н | -        | -        | $\dashv$ |    | ├             | 111      | Н        | Н | Н        | Н   | -      | $\vdash$ | $\vdash$ | $\vdash$ | H |
|       | 12       | ٧       | -   | +        | +  | 4        | _   | $\vdash$ | + | +      | +       | 4  | $\vdash$ | 62       | _      | $\vdash$ | $\vdash$ | Н | $\vdash$      | Н | $\dashv$ | -        | -1       |    | $\vdash$      | 112      | Н        | Н | Н        | Н   | _      | -        | $\vdash$ | $\vdash$ | H |
|       | 13       | v       | -   | +        | +  | $\dashv$ |     | ⊢        | + | +      | +       | 4  | $\vdash$ | 64       | _      | $\vdash$ | Н        | Н | $\vdash$      | Н | $\dashv$ | -        | 4        |    | ⊢             | 113      | Н        | Н | Н        | Н   | _      | -        | -        | $\vdash$ | H |
| _     | 15       |         | H   | +        | +  | +        | _   | ⊢        | + | +      | +       | 4  | $\vdash$ | 65       | -      | $\vdash$ | Н        | Н | -             | Н | $\dashv$ | $\dashv$ | $\dashv$ |    | ⊢             | 114      | $\vdash$ | Н | Н        | Н   | -      | -        | $\vdash$ | $\vdash$ | H |
| _     | 16       |         | Н   | +        | +  | +        | _   | ⊢        | ╀ | +      | +       | 4  | $\vdash$ | 66       | _      | ⊢        | Н        | Н | _             | Н | $\dashv$ | -        | -        |    | ⊢             | 116      | $\vdash$ | Н | Н        | Н   | _      | -        | _        | ⊢        | - |
| _     | 17       |         | Н   | +        | +  | $\dashv$ | _   | ⊢        | + | +      | +       | ┨  | $\vdash$ | 67       | _      | $\vdash$ | Н        | Н | _             | Н | $\dashv$ | $\dashv$ | -        |    | $\vdash$      | 117      | Н        | Н | Н        | Н   | -      | -        | _        | ⊢        | - |
| _     | 18       |         | Н   | +        | +  | $\dashv$ | -   | ⊢        | + | +      | +       | ┨  | $\vdash$ | 68       | -      | Н        | Н        | Н | -             | Н | $\dashv$ | $\dashv$ | $\dashv$ |    | $\vdash$      | 118      | Н        | Н | $\vdash$ | Н   | -      | -        | _        | $\vdash$ | - |
| _     | 19       |         | Н   | +        | +  | $\dashv$ | -   | ⊢        | + | +      | +       | ┨  | $\vdash$ | 69       | _      | ⊢        | Н        | Н | _             | Н | $\dashv$ | -        | -        |    | $\vdash$      | 119      | Н        | Н | Н        | Н   | _      | -        | _        | $\vdash$ | - |
| -     | 20       |         | Н   | +        | +  | $\dashv$ | -   | ⊢        | + | +      | +       | ┨  | -        | 70       | -      | Н        | Н        | Н | _             |   | $\dashv$ | -        | $\dashv$ |    | $\vdash$      | 120      | $\vdash$ | Н | Н        | Н   | _      | _        | _        | Н        | - |
| _     | 21       |         | Н   | +        | +  | $\dashv$ | _   | ⊢        | + | +      | +       | ┨  | $\vdash$ | 71       | -      | Н        | Н        | Н | -             | Н | $\dashv$ | $\dashv$ | ⊣        |    | $\vdash$      | 121      | Н        | Н | $\vdash$ | Н   | _      | -        | _        | $\vdash$ | _ |
| _     | 22       |         | -   | +        | +  | $\dashv$ | _   | ⊢        | + | +      | +       | Η. | $\vdash$ | 72       | _      | Н        | Н        | Н | _             | Н | $\dashv$ | -        | $\dashv$ |    | $\vdash$      | 122      | Н        | Н | $\dashv$ | Н   | _      | _        | _        | $\vdash$ | - |
|       | 23       |         | -   | +        | +  | $\dashv$ |     | Н        | + | +      | +       | ┨  | $\vdash$ | 73       | _      | Н        | Н        | Н |               |   | $\dashv$ | -        | $\dashv$ |    | $\vdash$      | 123      | Н        | Н | Н        | Н   |        | _        | _        | $\vdash$ | - |
| _     | 24       | v       | Н   | +        | +  | $\dashv$ |     | ⊢        | + | +      | +       | ┨  | -        | 74       | -      | Н        | Н        | Н | -             | Н | $\dashv$ | -        | $\dashv$ |    | $\vdash$      | 124      | Н        | Н | $\vdash$ | Н   | _      | -        | _        | $\vdash$ | _ |
| _     | 25       |         | -   | +        | +  | +        |     | Н        | + | +      | +       | ┨. | $\vdash$ | 75       | _      | Н        | Н        | Н |               | Н | $\dashv$ | _        | $\dashv$ |    | $\vdash$      | 125      | $\vdash$ | Н | $\dashv$ | Н   |        | _        | _        | $\vdash$ | _ |
|       | 26       |         | -   | +        | +  | $\dashv$ |     | Н        | + | +      | +       | ┨  | $\vdash$ | 76       |        | Н        | Н        | Н |               |   | $\dashv$ | _        | $\dashv$ |    | $\vdash$      | 126      | Н        | Н | $\dashv$ | Н   |        |          | _        | Н        | _ |
|       | 27       | v       | Н   | +        | +  | 1        | _   | Н        | + | +      | +       | ┨. | $\vdash$ | 77       | _      | Н        | Н        | Н |               | Н | $\dashv$ | _        | _        |    | $\vdash$      | 127      | Н        | Н | Н        |     |        |          |          | Н        | Н |
| _     | 28       |         | Н   | +        | +  | -        | _   | Н        | + | +      | +       | ┨. | $\vdash$ | 78       |        | Н        | Н        | Н |               |   | $\neg$   |          | $\dashv$ |    | $\vdash$      | 128      | Н        |   | Н        | Н   |        | _        |          | Н        | Н |
|       | 29       | v       | Т   | +        | +  | 1        |     | Н        | + | $^{+}$ | +       | 1  | $\vdash$ | 79       |        | $\vdash$ | Н        | Н |               |   | $\neg$   | _        | ┪        |    | $\vdash$      | 129      | Н        |   | $\vdash$ |     |        |          |          | Н        | Н |
|       | 30       | Ė       | Т   | t        | t  | 1        | _   | t        | t | $^{+}$ | +       | 1  |          | 80       |        |          | П        | П |               |   | $\neg$   |          | $\neg$   |    |               | 130      |          | П | П        | П   |        |          |          | Н        | Т |
|       | 31       |         | Т   | T        | Ť  | 1        |     |          | t | +      | $^{+}$  | 1  |          | 81       |        |          | Т        | П |               |   | $\neg$   |          | ┪        |    |               | 131      | Н        |   | П        |     |        |          |          |          | Т |
|       | 32       |         | Т   | $\top$   | Ť  |          |     |          | T | $\top$ | $\top$  | 1  |          | 82       | $\neg$ | Т        | П        |   |               |   | $\neg$   |          | _        |    | $\vdash$      | 132      | П        |   | П        |     |        |          |          |          | _ |
|       | 33       |         | Т   | Т        | Ť  | ┪        |     | Г        | Т | т      | Т       | 1  |          | 83       | Т      | Г        | г        |   | $\overline{}$ |   | $\neg$   |          | ┪        |    | $\overline{}$ | 133      |          |   | П        |     |        |          |          |          |   |
|       | 34       | П       | П   | Т        | T  |          | _   | Г        | Т | T      | Т       | 1  |          | 84       | _      | Г        | Г        | П | Г             |   | $\neg$   |          | 7        |    | $\Box$        | 134      |          |   | П        |     |        |          | П        | Г        | Т |
|       | 35       | Г       | Т   | т        | T  |          | _   | Г        | Т | T      | 1       | 1  |          | 85       | _      | Г        |          | П | Г             |   | $\neg$   |          | 7        |    | $\Box$        | 135      | П        | П | П        |     | $\neg$ |          | Г        |          | Т |
|       | 36       | L       |     | Ι        | I  |          | Ξ   | L        | Ι | I      | $\perp$ | ]  |          | 86       |        |          |          |   |               |   |          |          |          |    |               | 136      |          |   |          |     |        |          |          |          |   |
| _     | 37       |         |     | Γ        | Ι  |          |     | L        | Γ | Ι      | I       | 1  |          | 87       | Ξ      |          |          |   |               |   |          |          |          |    |               | 137      |          |   |          |     |        |          |          |          |   |
|       | 38       |         |     |          | Τ  |          | Ξ   |          | Γ | Τ      | T       | 1  |          | 88       | _      |          |          |   |               |   |          |          |          |    |               | 138      |          |   |          |     |        |          |          |          |   |
|       | 39       | Π       | Г   | Т        | Т  |          | _   | Γ        | Т | Т      | Т.      |    |          | 89       |        |          | Ī.       |   |               |   |          |          |          |    |               | 139      |          |   |          |     |        |          |          |          |   |
|       | 40       | L       |     | L        | 1  |          |     | L        | L | Ι      | I       |    |          | 90       |        | L        | Ĺ        |   |               |   |          |          |          |    |               | 140      |          |   |          |     |        |          |          | L        |   |
| _     | 41       | I       |     | Г        | Ι  |          | Ξ   | Γ        | Г | Ι      | $\perp$ | J  |          | 91       |        |          |          |   |               |   | ⊐        |          | J        |    |               | 141      |          |   |          |     |        |          |          |          |   |
| Ξ     | 42       | $\Box$  |     | Г        | Τ  | I        |     | Γ        | Г | Τ      | Τ       | J  |          | 92       |        |          |          |   |               |   |          |          | J        |    |               | 142      |          |   |          |     |        |          |          |          |   |
|       | 43       | L       |     | Γ        | Γ  | _        |     | L        | Γ | _[     | ₽       | ⅃  |          | 93       |        | L        |          |   |               |   | $\Box$   |          | _]       |    |               | 143      | $\Box$   |   | Ш        |     |        |          |          |          |   |
|       | 44       |         |     | Ι        | Γ  | I        |     | Γ        | Γ | Γ      |         |    |          | 94       |        |          |          |   |               |   |          |          | _]       |    |               | 144      |          |   |          |     |        |          |          |          |   |
|       | 45       | Ι       |     | Г        | Τ  | I        |     | Γ        | Γ | Ι      | Τ       |    |          | 95       |        |          |          |   |               |   |          |          |          |    |               | 145      |          |   |          |     |        |          |          |          |   |
|       | 46       |         |     | Г        | T  | _        |     |          | Γ | T      | $\Box$  | ]  |          | 96       |        |          |          |   |               |   |          |          | _]       |    |               | 146      |          |   |          |     |        |          |          |          |   |
|       | 47       |         |     | Γ        |    | 1        |     |          | Г |        |         |    |          | 97       |        |          |          |   |               |   |          |          |          |    |               | 147      |          |   |          |     |        |          |          |          |   |
|       | 48       |         |     | $\Gamma$ | Ι  |          |     |          | Г | Ι      | $\perp$ |    |          | 98       |        |          |          |   |               |   |          |          |          |    |               | 148      |          |   |          |     |        |          |          |          |   |
|       | 49       |         |     | Г        | Ι  | I        |     | L        | Γ | Ι      | $\perp$ |    |          | 99       |        |          |          |   |               |   | $\Box$   |          | _]       |    |               | 149      |          |   |          |     |        |          |          |          |   |
| _     | 50       | ഥ       |     |          | Τ  | I        |     | Г        | Г | Ι      | Г       |    |          | 100      |        |          |          |   |               |   |          |          | _        |    |               | 150      |          |   |          |     |        |          |          |          |   |
|       |          |         |     |          |    |          |     |          |   |        |         |    |          |          |        |          |          |   |               |   |          |          |          |    |               |          |          |   |          |     |        |          |          |          |   |